

Electro-Pneumatic Controllers

- 4 - 20mA Input/Output
- Inherently Safe
- Electro-Pneumatic
- DCS/PLC Interface
- NEMA 4

A Unique Approach To Simple, Reliable, Accurate Control

The Leslie PMC-1 electro-pneumatic controller represents a true breakthrough in monitoring and control of variables such as pressure, temperature, liquid level and flow rate in steam, air and other fluid systems.

PMC-1 Makes It Easy To Control Any Fluid System

Process engineers accustomed to dealing with conventional electronic controllers will find the PMC-1 a joy to work with. The PMC-1 accepts a standard transmitter or RTD input, and plugs into any conventional electrical outlet or 24 VDC power source. Maximum power consumption is 10 watts.

Eliminates The Need For Positioners

This unique controller accepts standard plant air to 100 psig, and applies a measured volume of air (up to max. pressure) to the valve actuator in controlled short-duration pulses. By design, the PMC-1 is ZERO BLEED once set point is reached.

Remote Settings Standard

Every LESLIE PMC-1 is equipped with a remote input connector that accepts 4-20 mA analog control signals. The unit can be easily configured for local or remote set-point control with a variety of default options on loss of set-point signal. This provision gives the PMC-1 an interface with programmable logic controllers (PLC's), DCS systems or any other remote set point source.

Sets Directly, In Absolute Digital Units



The LCD readout on the PMC-1 indicates process variables, expressed in whatever units are being controlled. Examples include temperature in μF or μC , pressure in psi, kPa or bar, and flow rate expressed (however it makes the most sense to technicians). Tuning is accomplished in three easy steps: the desired set point is entered, the response speed is selected and the sensitivity is entered. That's all there is to it.

A Well-Engineered Control System That Users Can Adjust Intuitively

There are no subtle complications involved in adjusting a LESLIE PMC-1. The set point, response speed, sensitivity and display modes are all adjusted by clearly labeled controls. Direct or reverse action and local or remote control can be selected by flipping switches. Once this unit is on the job, it stays on the job, protected by a water-tight NEMA 4 enclosure.

Versatile Accessories

Other products include: PMC-RS remote setpoint 1/4 DIN module for control up to 1000 feet away; RCS-90 local control module to allow remote installation of the PMC-1; Set Point Ramp Generator which provides automatic ramp-up or ramp-down to or from final process set-point; PMC-IS Inherently Safe unit. Additional product variations are available along with a full line of accessories.

